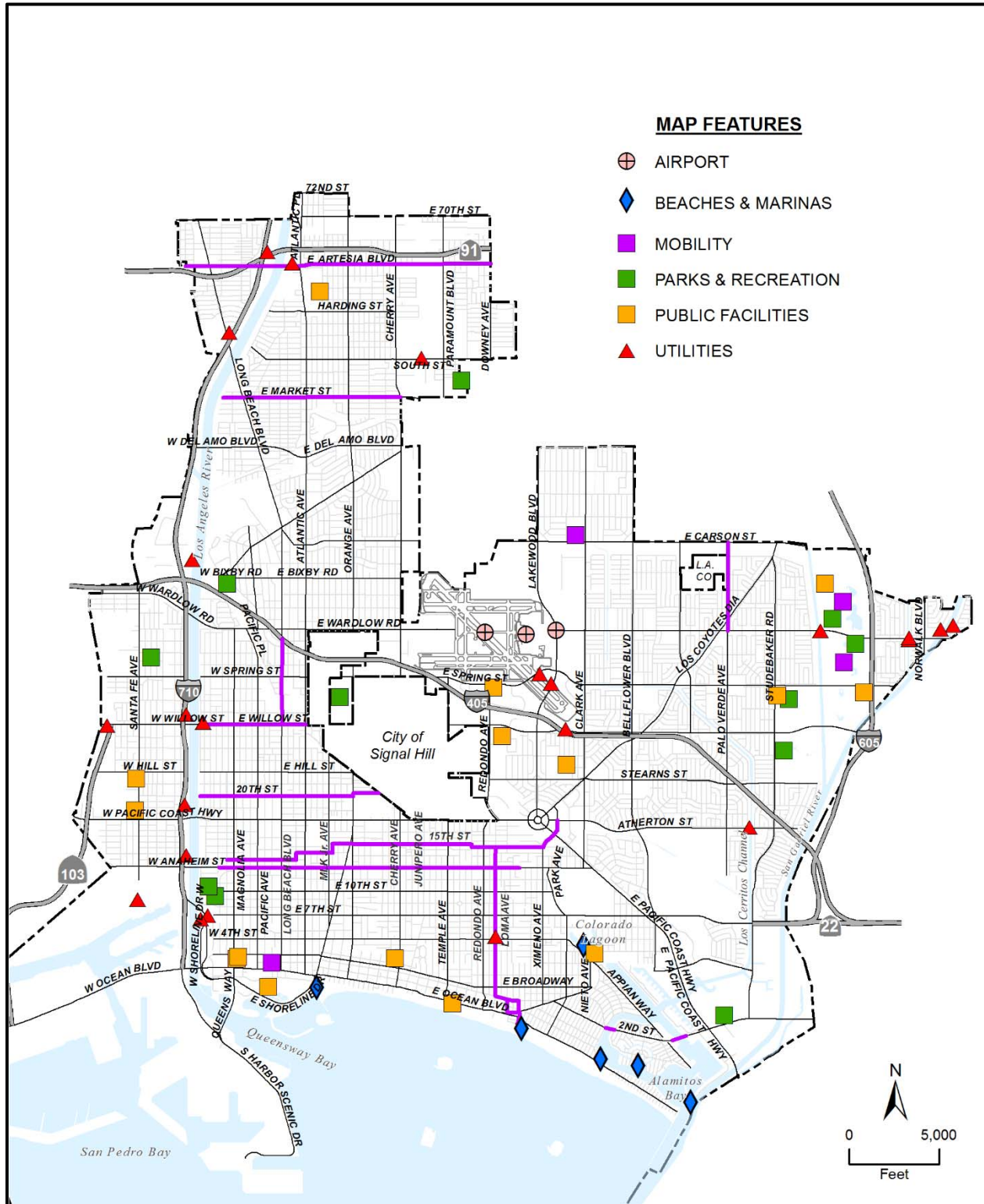


# FY 19 Capital Improvement Program (CIP)

## Capital Program Overview



# **FY 19 Capital Improvement Program (CIP)**

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## **BACKGROUND**

The purpose of the Capital Improvement Program (CIP) is to provide a comprehensive program to the City Council and the residents of Long Beach to plan, design, construct, maintain, and repair City facilities and infrastructure. The size, age, and diverse infrastructure of the City along with limited funding require significant consideration to determine the best investments to make, in order to realize the most cost effective returns in the future. The CIP serves as a financial tool to set aside funds for a wide variety of capital projects as well as a planning tool to ensure capital projects are consistent with the City's General plan.

## **BUDGET PROCESS**

The Public Works Department was responsible for developing the Fiscal Year 2019 (FY 19) CIP. Public Works, in conjunction with other Departments, reviewed the City's capital needs and prioritized project submittals based on established criteria:

- The ability of the project to meet health, safety and legal concerns and mandates
- The value of the project to prolong the life of City assets or avoid/minimize future repair costs
- The benefit the project will provide the community in support of the goals articulated in the Strategic Plan
- The potential for the project to generate savings or increase productivity
- The extent to which the project will secure future funds through program planning or grant eligibility

The CIP identifies and provides for infrastructure expenditures. The strategic capital investment in the City's infrastructure includes major enhancements and repairs to the Airport, parks, marinas and beaches, buildings, streets, traffic signals, storm drains, sidewalks, bus stops, fuel storage facilities, bridges, water and sewer facilities, the Harbor and Americans with Disabilities Act (ADA) upgrades.

## **BUDGET HIGHLIGHTS**

The economic vitality and quality of life in the community is enhanced through CIP projects. Capital improvements require a major initial investment, a significant and continuing financial commitment for maintenance and, eventually, replacement. The following pages provide a summary of each section with a dollar amount that represents proposed new funding for FY 19:

- Airport
- Beaches and Marinas
- Mobility
- Parks & Recreations
- Public Facilities
- Public Utilities
- Harbor

## FY 19 Capital Improvement Program (CIP)

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### ALLOCATION PLAN

	FY 19 Proposed
<b>Sources:</b> <sup>1</sup>	
Airport Fund	\$4,100,000
Gas Fund	\$8,050,000
Gasoline Tax Street Improvement Fund	\$11,774,000
General Capital Projects Fund	\$11,199,000
Measure A	\$24,000,000
Tidelands Operations Fund <sup>2</sup>	\$4,050,000
Transportation Fund	\$26,385,000
Water Utility	\$19,511,446
Sewer	<u>\$11,768,916</u>
<b>Subtotal</b>	<b>\$120,838,362</b>
Harbor	\$697,501,000
 <b>Grand Total</b>	 <b>\$818,339,362</b>
 <b>Uses:</b>	
Airport	\$4,100,000
Beaches and Marinas	\$2,500,000
Parks	\$5,396,500
Public Facilities	\$16,015,000
Mobility	\$51,258,000
Utilities	<u>\$41,568,862</u>
<b>Subtotal</b>	<b>\$120,838,362</b>
Harbor	\$697,501,000
 <b>Grand Total</b>	 <b>\$818,339,362</b>

<sup>1</sup> Each fund may receive revenue from various sources such as bonds, fees and grants. Funding sources for the Capital Projects Fund may include, but are not limited to: County Park Bonds, County Grants, Developer Fees, Federal Grants, General Fund, Lease Revenue Bonds, Park Impact Fees, State Grants, Traffic Impact Fees and Uplands Oil Fund.

<sup>2</sup> Projects subject to State Lands Commission approval.

# FY 19 Capital Improvement Program (CIP)

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## Airport Projects

Long Beach Airport (LGB) serves over 3.8 million passengers each year and offers a variety of services to air carriers, commercial and general aviation users, as well as the traveling public. Funding for Airport Capital Improvement Projects is derived from several sources including: Federal Aviation Administration (FAA), Airport Improvement Program grants (AIP), Passenger Facility Charges (PFC), Customer Facility Charges (CFC), Airport fees, and bond sale proceeds. The focus of the Airport Capital Improvement Program is to continue improving the safety, security, and operations of the Airport to meet the mandates of the FAA and Transportation Security Administration (TSA).

In FY 18, the Airport will complete improvements to Runway 7R-25L. The improvements included the reconstruction of over six hundred thousand square feet of runway pavement and shortening and realignment of the runway for enhanced airfield safety and efficiency. Additionally, the project also involves the redesignation of the runway numbers to 8R-26L. In addition, the main air carrier runway 12-30 will be completed. This ensures the Airport's obligation as a Part 139 airport to maintain safe and serviceable movement areas is sustained at the highest level. FY 18 also includes the advertisement and award of the Phase II Terminal Area Improvements. The Phase II Terminal Improvements consists of a new ticketing lobby, TSA In-Line Checked Baggage Screening Facility, enhanced Meeter and Greeter Plaza with concession opportunities, additional restrooms, consolidated baggage claim, consolidated Rental Car storage area and upgraded customer transaction facility, and a Ground Transportation Plaza.

<b>Project Title</b>	<b>FY 19 Proposed</b>
Airport Terminal Area Improvements	\$2,000,000
Gateway Sign – LGB – Lakewood Blvd.	\$100,000
Airport Pavement Rehabilitation	<u>\$2,000,000</u>
<b>Total Airport Projects</b>	<b>\$4,100,000</b>

## Beaches and Marinas

Two assets that help make Long Beach unique are its beaches and marinas. These City-operated and maintained assets provide recreational enjoyment to both residents and visitors. In FY 18, the City will complete the Seaside Way Rainbow Bridge at the Convention Center, Leeway Sailing Center pier, dock and building improvements, and Bayshore Area Improvements, which include a rebuilt swimming dock and aquatics waterplay structure. These new improvements will reduce ongoing maintenance costs, are easily accessible and environmentally friendly.

In FY 18, the City also initiated construction of the Bayshore Lifeguard Station, which is anticipated to be completed in Fall 2018. In addition, the Rainbow Harbor Commercial Sewage EVAC System Replacement and the Belmont Pool/Granada Parking Lot Improvements are also scheduled to be completed.

## FY 19 Capital Improvement Program (CIP)

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Most Tidelands Capital Improvement Projects are subject to State Lands Commission approval prior to implementation.

<b>Project Title</b>	<b>FY 19 Proposed</b>
Seawall Maintenance and Repairs	\$750,000
Lifeguard Facilities and Towers	\$250,000
Beach Restroom Rehabilitation	\$500,000
Beach Parking Lots Rehabilitation	\$750,000
Tidelands Critical Facility Repairs	<u>\$250,000</u>
<b>Total Marinas, Beaches &amp; Waterways Projects</b>	<b>\$2,500,000</b>

### **Mobility**

The Mobility section contains programs designed to meet the increased needs for mobility resulting from economic growth, utilizing a combination of different funding sources. These funds include Proposition A & C, Gas Tax Street Improvement Capital, Transportation Improvement Fees, Los Angeles County Measure M, State Road and Rehabilitation Maintenance and Rehabilitation Act, and Federal and County grants.

Mobility improvements include street repair, street and intersection widening, traffic signal system expansion and upgrades, transit improvements, replacement parking and traffic lane striping, neighborhood traffic management, and bike lanes.

This section also includes programs that evaluate traffic congestion throughout the City and respond with projects to relieve congestion or enhance traffic safety. The Street Rehabilitation program is designed to help meet that goal. When arterial and local streets are repaved, each corridor is evaluated through a complete streets lens. This means that conditions for people who walk, bicycle and take transit are considered when developing recommendations.

The program delivers improvements including reconstructing and resurfacing of major, secondary, and residential streets; upgrading accessibility of curb ramps to comply with current American Disabilities Act (ADA) regulations; installing bicycle facilities; replacement of street signs; repairing neighborhood sidewalks, curbs, and gutters; and rehabilitating bridges to repair deficiencies identified by the annual bridge inspection report. Public Works continues to update the Pavement Management System biannually and uses the information to prioritize the streets in need of resurfacing or reconstruction.

There are several factors that are taken into consideration when the City evaluates the selection of streets, such as surface conditions, utility work (pipeline construction), future developments in the area, and potential conflicts with other projects. The goal and objective is to rehabilitate a roadway when it is in "good" condition versus delaying repairs to a state in which the street is in a "poor" condition, significantly increasing the costs of repairs.

In FY 18, it is estimated that 13 lane miles of arterial streets were reconstructed along with sidewalk and residential street repairs totaling 31 lane miles.

## FY 19 Capital Improvement Program (CIP)

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<b>Project Title</b>	<b>FY 19 Proposed</b>
Prop A Transit Related Improvements	\$3,000,000
Citywide LED Lighting	\$300,000
Major/Secondary Highway Program	\$12,000,000
Bridge Rehabilitation and Seismic Retrofit Program	\$400,000
Residential Street Repair	\$17,073,000
Alleys	\$1,800,000
ADA Response Program	\$500,000
Citywide Infrastructure Improvements (Sidewalks)	\$2,000,000
Sidewalks/Curbs Ramps	\$5,000,000
Prop A Administration	\$829,000
Prop C Administration	\$956,000
Sustainable Transportation	\$6,000,000
Neighborhood Traffic Mitigation	\$250,000
Citywide Striping and Signage	\$250,000
Traffic and Pedestrian Signals	<u>\$900,000</u>
<b>Total Mobility Projects</b>	<b>\$51,258,000</b>

### Parks & Recreation Projects

Long Beach's has 170 parks and over 3,000 acres of open space and in FY 18, the park system was ranked 21st in the Country among the 100 largest U.S. cities in the Trust for Public Land's 2018 ParkScore Index survey, rising from 24 in 2017.

Long Beach parks are fundamental to the fabric of the Long Beach community, and are a cornerstone of the City's livability, economic development, health and safety initiatives. Long Beach parks generate property value and tax revenue, increase community health and safety and reduce environmental impacts and costs.

Parks contribute to the economic vitality of Long Beach, as proximity to Long Beach parks increases property value, thereby increasing property tax revenue. Long Beach Parks are a good value compared with the amount residents would pay to use equivalent private facilities. Long Beach Parks host festivals, concerts and athletics events that draw visitors bringing tourism revenue to local restaurants, hotels, and stores, boosting the local economy.

Parks provide space for exercise and respite, and exposure to green space is associated with better physical and mental health. The environmental benefits of Long Beach Parks save residents money through reduced air pollution, greenhouse gas emissions, and storm water management costs. Long Beach Parks are essential to crime reduction efforts and reduce juvenile crime by providing places for children to learn, play and be involved in positive activity.

## FY 19 Capital Improvement Program (CIP)

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Parks also deliver multi-generational programs and activities for Long Beach's four-legged residents.

Many of Long Beach's parks and open spaces face aging infrastructure, and there is a constant and significant effort to rehabilitate existing park assets and irrigation. Long deferred critical repairs have resulted in necessary capital projects to rehabilitate various park sites. In FY 18, the second year of Measure A funding provided for playground rehabilitation projects at Drake, Jackson, Los Cerritos, Whaley and Veterans Parks; and grants afforded the development of the Red Car Greenbelt, Drake Chavez Greenbelt, Willow Springs Wetlands and DeForest Wetlands. Also in FY18, newly-developed parks and amenities included Seaside Park and Admiral Kidd Park Artificial Turf Fields, and Molina Park will be completed.

<b>Project Title</b>	<b>FY 19 Proposed</b>
Park Acquisition and Development	\$1,500,000
Game Court Rehabilitation	\$300,000
Irrigation System Replacement	\$357,500
Tree Trimming – Parks	\$495,000
Restroom Rehabilitation	\$990,000
El Dorado Park Rehabilitation	<u>\$1,754,000</u>
<b>Total Parks &amp; Recreation Projects</b>	<b>\$5,396,500</b>

### Public Facilities

The City of Long Beach owns hundreds of facilities throughout the City that continue to provide residents with public services, recreation, places to learn, and public safety. A few of the popular facilities include the Civic Center comprised of City Hall, Fire Station #1, Police Headquarters and the Main Library, as well as neighborhood branch libraries.

Long deferred critical repairs are required to sustain the integrity of the City's various facilities. In FY 18 facility projects at the Civic Center included the removal and installation of a 20-ton high efficiency condensing unit at Fire Station #1 and the lighting conversion to LED lights at the Public Safety Building. Both projects reduce greenhouse gas emissions while conserving energy.

<b>Project Title</b>	<b>FY 19 Proposed</b>
Civic Center Complex Improvements	\$650,000
General City Building Refurbishment	\$11,270,000
Convention Center Complex Refurbishments	\$1,000,000
Fire Facilities Modernization	\$1,095,000
Facilities Assessments	\$1,750,000
Citywide Reroofing	<u>\$250,000</u>
<b>Total Public Facilities</b>	<b>\$16,015,000</b>

# FY 19 Capital Improvement Program (CIP)

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## Utilities

The Utilities section is comprised of three services to Long Beach residents. These are provided by the Long Beach Energy Resources Department, Long Beach Water Department and Stormwater/Environmental Compliance Division.

### Long Beach Energy Resources Department

Long Beach Energy Resources (LBER) Department oversees 1,900 miles of natural gas pipelines. A key Department objective is the safe delivery of natural gas to its 155,000 businesses and households. All operations are conducted in strict compliance with U.S. Department of Transportation's (DOT) pipeline safety regulations, CFR 49 part 190-199. LBER is engaged in a long-term pipeline infrastructure replacement program focusing on pipelines identified in its Distribution Integrity Management Plan (DIMP). During the past five years, over 50 miles of distribution pipeline and approximately 6,000 service pipelines have been replaced, improving system integrity.

As part of the Department's commitment to provide affordable and safe natural gas, LBER has taken a system-wide approach in reviewing the backbone of the gas distribution system for potential upgrades to increase reliability of gas delivery. LBER is also in the process of establishing a consistent pressure standard throughout the system to ensure the long-term ability to meet customer demand and has installed or replaced 13 district regulator stations in the past five years. The integrated approach to pressure-consistency, and replacement of aging infrastructure will improve reliability and allow for more efficient operations. In addition, LBER will continue to work closely with the Public Works Department to coordinate gas projects with street improvement projects.

<b>Project Title</b>	<b>FY 19 Proposed</b>
Facility Work	\$500,000
Gas Control/Cathodic Protection	\$250,000
Meters/Regulators Budget & Actuals	\$700,000
Main Pipeline Replacement	\$5,500,000
Service Pipeline Replacement	<u>\$1,100,000</u>
<b>Total LBER</b>	<b>\$8,050,000</b>

### Stormwater/Environmental Compliance

The Stormwater/Environmental Compliance Division is responsible for maintaining the City's 300 miles of storm drain pipelines, pump stations and monitoring stormwater quality within Long Beach. Water quality compliance is handled through the City's National Pollutant Discharge Eliminate System (NPDES) permit. In 2016, an assessment of the City's 23 pump stations was completed and identified over \$35 million in repairs and upgrades.

<b>Project Title</b>	<b>FY 19 Proposed</b>
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## FY 19 Capital Improvement Program (CIP)

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Storm Drain Pump Station Repair & Certification	\$1,938,500
Storm Drain System & Water Quality Improvements	<u>\$300,000</u>
<b>Total Stormwater</b>	<b>\$2,238,500</b>

### Long Beach Water Department

Planned capital improvements to the City's water and sewer system encompass a wide range of projects. The Water Department will continue replacing aging infrastructure that is approaching the end of their useful life, including, but not limited to, water pipelines, valves and meters. The Department will coordinate pipeline projects with the Measure A Street Rehabilitation projects. In addition, the Department is continuing with its well and water tank rehabilitation projects.

The Sewer CIP budget reflects a sustained level of investment in infrastructure, as the Department follows a programmatic CIP based on an updated Sewer Master Plan.

<b>Project Title</b>	<b>FY 19 Proposed</b>
<b>Potable Water</b>	
Water CIP by In-House Workforce	\$2,850,000
Pipeline System Improvements	\$1,801,200
Reservoir/Treatment Plant Improvements	\$2,986,300
Water Supply Projects	\$3,558,800
Facility Improvements	\$6,915,146
Developer Reimbursed	\$600,000
Interest Expense Capitalized	<u>\$800,000</u>
<b>Total Water Fund</b>	<b>\$19,511,446</b>
<b>Sewer</b>	
Sewer Pipeline Improvements	\$2,528,400
Sewer Lift Stations	\$2,882,400
Facility Improvements	\$5,408,116
Interest Expense Capitalized	\$150,000
Other	<u>\$800,000</u>
<b>Total Sewer Fund</b>	<b>\$11,768,916</b>

# FY 19 Capital Improvement Program (CIP)

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## Harbor Department Projects

The Harbor Department (Port), with its deep-water channels, rail access, and ongoing investment in state-of-the-art facilities, continues to be the preferred gateway for Asia-Pacific trade and operational model for its environmental innovations and initiatives. The Port continues to implement a long-term capital improvement program designed to provide Port tenants with secure, state-of-the-art facilities capable of accommodating international trade and safeguarding regional economic benefits in a sustainable manner while ensuring economic vitality, ecological health, and community integrity.

The Port's approximate \$3 billion investment in capital projects over the next decade will stimulate the economy by creating thousands of direct construction jobs along with indirect service and commercial opportunities. In FY 19 alone, the Port is forecasting to spend nearly \$700 million on capital projects, with \$215 million for the payment for the new Port Headquarters which is part of the Civic Center redevelopment, \$154 million for the continued construction of the Gerald Desmond Bridge Replacement project, and \$180 million for the third phase of the Middle Harbor Redevelopment Project. When complete, the Middle Harbor Terminal will accommodate the newest 20,000+ Twenty-Foot Equivalent Unit (TEU) container ships and be the greenest major container terminal in North America due to its extensive use of on dock rail and cold ironing infrastructure.

Port security will continue to be a high priority, with the Department investing nearly \$34 million in capital projects, including \$28 million for two new fire stations.

	FY 19 Proposed
<b>Project Title</b>	
<b>Major Projects</b>	
<b>Terminal Development</b>	
Pier D/E/F (Middle Harbor)	<u>\$179,063,000</u>
<b>Total Terminals Expansion and Development</b>	<b>\$179,063,000</b>
 <b>Port-Wide Security &amp; Safety Projects</b>	
New Fire Station / Fire Boats / Security Projects	<u>\$33,759,000</u>
<b>Total Port-Wide Security &amp; Safety Projects</b>	<b>\$33,759,000</b>
 <b>Streets, Bridges, and Railways</b>	
Gerald Desmond Bridge Replacement	\$153,984,000
Rail Projects	<u>\$27,144,000</u>
<b>Total Streets, Bridges, and Railways</b>	<b>\$181,128,000</b>
 <b>Miscellaneous Projects</b>	
Port Headquarters / Civic Center	\$214,694,000
Environmental Projects	\$18,856,000

## FY 19 Capital Improvement Program (CIP)

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Eng. Misc. Projects / Port Infrastructure	\$22,414,000
Port Infrastructure (Streets, Water, Storm Water, Sewer)	\$37,871,000
Information Technology Projects	\$7,440,000
Furniture, Fixtures, and Equipment	<u>\$2,276,000</u>
<b>Total Miscellaneous Project</b>	<b>\$303,551,000</b>
 <b>Total Harbor Department</b>	 <b>\$697,501,000</b>

